

THE INSTITUTION OF PRODUCTION ENGINEERS, 10 CHESTERFIELD STREET, MAYFAIR, LONDON, W.1

# “AUTOMATION — MEN AND MONEY” — CONFERENCE at HARROGATE JUNE, 1961

The first British Conference on the social and economic effects of automation, sponsored by eight major institutions, including The Institution of Production Engineers, under the aegis of The British Conference on Automation and Computation, is to be held at Harrogate from 27th - 30th June, 1961. It will be opened by **The Rt. Hon. Viscount Hailsham, Q.C.**, Lord President of the Council and Minister for Science.

The Chairman of the Conference will be **Sir Walter Puckey**, Past President of the Institution and Chairman of B.C.A.C. Other Sessions will be Chaired by **Mr. R. H. S. Turner**, Chairman of the Institution's Council and **Mr. W. F. S. Woodford**, Institution Secretary. Papers will be given by **Mr. A. L. Stuchbery**, Vice-Chairman of Council, whose subject will be “Physical Requirements of Automation”; and **Mr. A. A. Jacobsen**, A.M.I.Prod.E., who is to present a Case Study on “Economic Aspects — Internal to the Firm”.

Full details of the programme have already been circulated, but further copies and application forms may be obtained by using the form below.

To: **Mrs. J. Hodson,**  
Conference Secretary,  
80 Fetter Lane, London, E.C.4.

“AUTOMATION — MEN AND MONEY”  
Conference, Harrogate, 27th - 30th June, 1961.

Please send full programme details and application form to:

NAME.....

ADDRESS.....

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PLEASE USE BLOCK LETTERS

IPE/MAY

## **TWO-DAY MEETING, LONDON, SPRING, 1962**

### **"DESIGN FOR AUTOMATED PRODUCTION"**

**(Product, Tool and Method)**

A Two-Day Meeting, to be held in London in the Spring of 1962, is being planned by the Institution, on the above theme.

It is intended that Papers at this Meeting will cover design aspects of product and tool for advanced and automated methods of production, and that the final session will take the form of an open discussion in which the speakers will take part.

Members of the Institution who would like to offer Papers for presentation and discussion at this Meeting are invited to submit titles and synopses (500 words) to the Papers Committee for consideration by not later than **14th June, 1961**. Correspondence should be addressed to:

**The Secretary,  
The Papers Committee,  
10 Chesterfield Street,  
Mayfair, London, W.1.**

## **THE 1961 VISCOUNT NUFFIELD PAPER**

Members are informed that The 1961 Viscount Nuffield Paper will be presented at **The University of Bristol**, on **Wednesday, 14th June, 1961**, at **6.30 p.m.** The speaker will be **Sir Willis Jackson**, Director of Research and Education, A.E.I. (Manchester) Ltd., on the subject:

### **"SOME HUMAN ASPECTS OF ENGINEERING PROGRESS"**

The President of the Institution, **Mr. G. Ronald Pryor**, will be in the Chair.

Tickets of admission to the meeting, which is open to members and non-members of the Institution, may be obtained, free of charge, on application to the Secretary of the Institution, at 10 Chesterfield Street, Mayfair, London, W.1.

## **MATERIALS HANDLING CONVENTION, 1961**

### **"PROFIT BY HANDLING!"**

The Materials Handling Group of the Institution is to hold a Convention in London on the theme: **"Profit by Handling!"** The Convention will study the methods and administration of handling materials from source to consumer with a view to lower costs.

**Reserve the date now — 3rd and 4th November, 1961.**

Full details will be announced in subsequent issues of the Supplement.

## MEMBERSHIP SUBSCRIPTIONS

### 1. Date Due

The Institution financial year runs from 1st July; all membership subscription renewals fall due on 1st July, 1961.

### 2. Income Tax Relief

Members are reminded that, under the provision of Section 16 of the Finance Act 1958, those who pay their annual membership subscriptions from their taxed income may claim relief of income tax on the amount of their subscription.

### 3. Provision for Members who have Retired from Business

In accordance with the provision of Article of Association No. 31, the Council have resolved that any member who has reached the age of 60 years and who has retired from substantially remunerative occupation may retain his membership on payment of half the normal annual subscription. Any member who has reached the age of 60 years, and who has had 15 years or more continuous membership of the Institution, may on retirement from substantially remunerative employment, compound all future subscriptions on payment of £10 10s. Application to exercise either of these provisions should be made to the Secretary, at 10 Chesterfield Street, Mayfair, London, W.1.

## FESTIVAL OF TECHNICAL AND SCIENTIFIC FILMS, BUDAPEST

The Second International Festival of Technical and Scientific Films will be held in Budapest from 16th - 25th November, 1961.

The Festival is organised by the Scientific Society for Mechanical Engineering, and members of The Institution of Production Engineers who would like to attend, or to offer films for showing during the Festival, are asked to get in touch with the Secretary of the Institution, at 10 Chesterfield Street, Mayfair, London, W.1.

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## SECTION MEETINGS

*Visitors' Tickets may be obtained from Section Honorary Secretaries*

### MAY, 1961

#### SOUTH EASTERN REGION

London — Brighton Group 7 p.m. May 17  
Old Ship Hotel, King's Road, Brighton.  
"Cost Accounting's Contribution to Production Efficiency"  
by S. C. Comber (Underwood Business Machines Ltd.) and  
R. E. Turner, A.M.I.Mech.E. (A.P.V., Crawley).

#### WALES REGION

REGIONAL CONFERENCE 9 a.m. - 4.30 p.m. May 5  
South Wales Institute of Engineers, Park Place, Cardiff.  
"The Conservation of Materials" — One-Day Conference.

#### MIDLANDS REGION

REGIONAL CONFERENCE May 10  
Winter Gardens and Raven Hotel, Droitwich.  
"Product Development" — One-Day Conference.  
Further details and tickets from: Regional Secretary, A. C. Turner, A.M.I.Mech.E., A.M.I.Prod.E., "Waverley", Church Lane, Whittington, Worcester.

Wolverhampton Graduate Evening May 12  
Works Visit to Walter Somers Ltd., Halesowen.

# Production Appointments

BULLETIN No. 92 MAY, 1961

The last date for receiving material for insertion in the following month's bulletin is the 20th of each month, and cancellations cannot be accepted after this date. Correspondence should be addressed to: The Publications Department, The Institution of Production Engineers, 10 Chesterfield Street, Mayfair, London, W.1 (Telephone: GROsvenor 5254).

**RATES — Run-on, per appointment:** £4 4s. 0d. up to 100 words; £1 1s. 0d. for each additional 100 words or part thereof. Special rate for firms affiliated to the Institution, technical colleges and universities: £2 2s. 0d. per appointment up to 100 words, and 10s. 6d. for each additional 100 words or part thereof.

**Displayed:** £6 per single-column inch (column width  $3\frac{1}{2}$  in.). Special rate for firms affiliated to the Institution, technical colleges and universities: £5 10s. 0d. per single-column inch. Agency discount on displayed advertisements 10%.

Advertisers are advised that better response is likely if, in addition to essential qualifications, the following information is given:

(a) Location of appointment; (b) Status in the organisation and scope of promotion; (c) Salary range and age range. Advertisers are asked to advise the Institution when appointments are filled. The Institution reserves the right to refuse or withdraw any announcement and also to make any alteration in the wording to ensure conformity with the Institution standards. *Members interested in the following appointments should make application in accordance with the terms of notice. No correspondence can be undertaken by the Secretary other than the forwarding of replies to Box Nos.*

## DEPUTY

## EDUCATION AND TECHNICAL OFFICER

The Institution of Production Engineers invites applications for the position of Deputy Education and Technical Officer. The work includes liaison with industry, universities and technical colleges; the organising of research projects, seminars and study groups. The Deputy is thus brought into contact not only with problems in further education and practical training, but also with a wide range of developments in the field of Production Engineering.

Candidates must be qualified for membership of the Institution and a university degree is desirable. The commencing salary will not be less than £1,500 per annum, and there is a contributory pension scheme.

Applications should be addressed to:

THE SECRETARY,  
THE INSTITUTION OF PRODUCTION ENGINEERS,  
10 CHESTERFIELD STREET, MAYFAIR, LONDON, W.1  
and marked "Confidential".



## PRODUCTION MANAGER

Trained Engineer with experience of Production Planning and Control for new factory engaged in the manufacture of electrical switchgear and sheet metal cubicles.

- Preferable age 30 - 40.
- Qualifications: A.M.I.Prod.E., or equivalent.
- The position is interesting with excellent prospects and scope for man with drive and initiative.
- Salary will present no problem for suitable man.

Write: **GENERAL MANAGER, DEWHURST & PARTNER LTD., RAANS ROAD, AMERSHAM, BUCKS.**

**Wanted for India, High Grade Production Engineer** with experience in modern ball-bearing manufacture. Only the best qualifications will be considered and salary and conditions will be commensurate with these. Replies will be treated in the strictest confidence. Box No. 2039, I.Prod.E., 10 Chesterfield Street, Mayfair, London, W.1.

## PRODUCTION ENGINEERS

APPLICATIONS ARE INVITED from suitably qualified men for interesting appointments as Production Engineers with a progressive Company situated in the North Midlands.

The Company is concerned with the manufacture of products used in three of the country's basic industries.

The Production Engineering Department is well established and opportunities exist for experience in Work Study, Wage Incentive Schemes, Materials Handling, Plant Layout, Job Evaluation, etc.

Minimum educational requirements — H.N.C. or equivalent. Previous experience essential.

AN OPPORTUNITY has also arisen for a young man to undergo comprehensive training in all aspects of this function. This will enable the successful candidate to become fully qualified for future promotion within the organisation.

Minimum educational requirements — O.N.C. or equivalent. Candidates need not have previous experience, but a genuine desire to make a successful career in Production Engineering is essential.

BOTH THE ABOVE APPOINTMENTS have a 9 a.m. - 5 p.m. five-day week. Excellent welfare facilities. Contributory Superannuation and Free Life Assurance Schemes in operation.

Salaries commensurate with age, qualifications and experience. Apply to:

**BOX NO. G.9294, c/o WHITES,  
72 FLEET STREET, LONDON, E.C.4.**

## ENGLISH ELECTRIC

### AVIATION LIMITED

*Guided Weapons Division, Stevenage*

# Jig and Tool Designers and Design Draughtsmen

We are seeking for our Tool Design Offices at Stevenage a number of men with some years experience of Jig & Tool design.

Applications are invited from men who like working on a wide range of tools and having the following type of background.

- a. Minimum of five years' experience in Jig & Tool design with a good general knowledge of jigs and fixtures.
- b. Practical machine shop, or tool room experience.
- c. O.N.C., H.N.C. desirable, but not essential.
- d. Specialist knowledge in any of the following: Press Tools, Gauging, Plastic Moulds, Assembly Fixtures, or Tooling for small precision components.

*Conditions of employment are good and all positions carry salaries which are reviewed annually. Assistance with removal expenses and initial subsistence allowance may be available.*



Applications to:  
**W. de M. Seaman,  
English Electric Aviation Ltd.,  
Six Hills Way,  
Stevenage, Hertfordshire.**

**A COMPANY OF  
BRITISH AIRCRAFT CORPORATION**

## **METALS & ALLOYS (Birmingham) LIMITED**

Minworth, Sutton Coldfield, Warwicks.

is seeking a

### **WORKS MANAGER**

The Company is engaged in metallurgical processes for the manufacture of specialised cast products and powders. The successful applicant will probably have production engineering background and after a suitable period will be invited to join the Board.

He will be responsible to the Managing Director for the manufacture of the Company's products by satisfactory output planning, with maintenance of strict quality standards, and within budgeted control of costs. His responsibility will also cover maintenance of plant and buildings, and design and erection of plant.

Salary initially will be of the order of £2,000 p.a., but eventually will be also related to profitability of the Company. There is a contributory pension scheme.

Applications must be in writing to: The Managing Director, marked "Personal" and must give full details of training and experience in previous posts, and present salary.

## **HONEYWELL CONTROLS LIMITED**

invite applications from

### **PRODUCTION ENGINEERS**

Our rapidly expanding Company now requires several Engineers to carry out the Production Planning of electronic, electro-mechanical and mechanical devices used in the fields of automatic control and instrumentation.

We invite applications from suitably qualified engineers for the following position:

- (a) DIVISIONAL CHIEF PRODUCTION ENGINEER
- (b) SENIOR PRODUCTION PLANNING ENGINEERS
- (c) ASSEMBLY PLANNING ENGINEERS
- (d) PARTS PLANNING ENGINEERS
- (e) METHODS ENGINEERS for specialised processes.

Applicants should preferably have several years experience in light engineering covering one or more of the following fields:

- 1. Electro-mechanical assembly
- 2. Pneumatics
- 3. Heat treatment and metal finishing
- 4. Machine development

The positions carry attractive salaries and prospects are excellent.

Interviews can be arranged locally if desired.

The Company operates generous Superannuation and Free Life Insurance Schemes.

Applications, giving details of qualifications and experience, should be made to:

**THE PERSONNEL MANAGER,  
HONEYWELL CONTROLS LIMITED,  
NEWHOUSE INDUSTRIAL ESTATE,  
NEWHOUSE, LANARKSHIRE.**

**Mechanical Instrument Production Engineer** required by medium size precision engineering company in Bedfordshire. A knowledge of Swiss Automatics and gear cutting is desirable, together with sound instrument production machining and assembly experience. Salary: £900 - £1,200, plus bonus and pension, depending on age and experience. This vacancy should interest anyone wishing to grow with an expanding company and having drive, initiative and knowledge to participate in all aspects of production administration and planning. Apply in strict confidence to: Box No. 2043, I.Prod.E., 10 Chesterfield Street, Mayfair, London, W.1.

**Personal Assistant** (age 30 - 40) to General Works Manager required by an expanding light engineering company employing 1,200 and associated with the car industry, but with other interests. The successful applicant will control a small department analysing and feeding control information to the Management. Applicants to have a production engineering background with some experience of organisation and cost investigation. The position is interesting and with reasonable prospects. Salary around £1,200. Superannuation. Details to: Box No. 2041, I.Prod.E., 10 Chesterfield Street, Mayfair, London, W.1.

## **ENGLISH ELECTRIC**

The Data Processing and Control Gear Divisions of the Company are established in the fast growing Kidsgrove Works which is pleasantly situated on the edge of the Cheshire plain near the Staffordshire border.

The rate of production is now to be increased severalfold and this requires the appointment of a

### **CHIEF PRODUCTION ENGINEER**

This is a senior appointment for which an appropriate salary will be paid and applicants must have extensive experience in the production engineering side of electronic and data processing equipment.

Applications are invited from suitably qualified engineers and full details should be given of qualifications and experience to date. These should quote reference PE 394H, and be addressed to: *The Director, Group Personnel Services, English Electric House, Strand, London, W.C.2.*

#### ASSISTANT CHIEF INSPECTOR

Required by large internationally known Company engaged in general and precision engineering.

Applicants must have at least five years' experience in a supervisory capacity on inspection and be fully knowledgeable on Metrology, Quality Control and Inspection Procedures generally. Previous knowledge of A.I.D. procedures essential.

This is a progressive position for a young man not more than 35 years of age who may, if suitable, progress to the position of Chief Inspector.

Apply giving past experience and salary required to:

**BOX NO. 2040, I.Prod.E., 10 CHESTERFIELD STREET, MAYFAIR, LONDON, W.1.**

#### WORK STUDY OFFICER

required to assist in the development of work study in a light engineering factory in the Salisbury area.

Applicants should possess at least three years' experience in an established Work Study department and be around 25 years of age, although an older man would be considered. Initially a period of two to three months would be spent at the parent factory in Northolt, Middlesex.

The position is permanent and pensionable and carries a good commencing salary.

Write giving full details in strict confidence to:

**WORKS DIRECTOR, AIDAS ELECTRIC LIMITED,  
SADIA WORKS, ROWDELL ROAD,  
NORTHOLT, GREENFORD, MIDDLESEX.**

**Production Engineer — Senior Executive.** Applications are invited for this responsible technical position. The successful applicant must have held a similar post with a knowledge of heavy press tooling and experience of work study and cost reduction, as he will be required to take full control of these functions. Write stating age, education, training, full experience and salary required to: The Personnel Manager, The Pyrene Co. Ltd., Great West Road, Brentford, Middlesex. All applications will be treated in the strictest confidence.

**Production Process Planning Engineer** required by expanding group of companies engaged in the manufacture of electronic and telecommunications equipment. Experience of press tools and batch production methods desirable. Preferably between 25-35 years of age, with H.N.C. in Mechanical or Production Engineering. Salary commensurate with responsibilities. Permanent pensionable position. Apply: Personnel Officer, Airmec Ltd., High Wycombe, Bucks. (H.W.2501-7.)

## ENGLISH ELECTRIC RUGBY

A **PRODUCTION/ESTIMATING ENGINEER** is required to carry out cost investigations concerned with the manufacture of heavy diesel engines and large steam turbines.

Applicants should be 30-40 years of age with considerable experience of shop floor practice including planning, ratexing or work study. It is desirable that applicants should be in possession of H.N.C. Production or Mechanical, for the vacancy offers good opportunities to a suitably qualified Engineer.

Write giving full details to: **DEPT. G.P.S., ENGLISH ELECTRIC HOUSE, STRAND, LONDON, W.C.2**, quoting reference IP 1194F.



## PLANNING ENGINEER

*Come and work at the seaside resort of*  
**ST. LEONARDS-ON-SEA**

### Vacancy

The Company is concerned mainly with the production of Radio and Television Receivers. The vacancy is for a man to plan layouts and to devise assembly methods which he will introduce into the production lines. There are good prospects for the right man.

### Qualifications

Applicants, aged 25-32, should have a degree or H.N.C. in Light Mechanical or Electrical Engineering. Some knowledge of Quality Control and Work Study would be an advantage.

**The Company runs good non-contributory Sickness and Pension schemes and there are canteen and other welfare facilities in this modern factory.**

Apply by letter to the

**Personnel Officer, Kolster-Brandes Limited,  
Ponswood Industrial Estate, Silverhill, St. Leonards-on-Sea.**

## ROOTES MOTORS LTD

require  
for their new development in Scotland

### PRODUCTION ENGINEERS

in the following categories:

#### Machine Shop Planners

with experience of Engine, Transmission or  
Suspension machining.

#### Assembly Planners

with experience of Body, Car, Engine or  
Transmission Assembly.

#### Senior Jig & Tool Draughtsmen

#### Plant Layout Engineers

#### Material Handling Engineers

#### Heat Treatment & Process Planners

#### Senior Technical Clerks

Applications are invited from suitably qualified men (O.N.C. or H.N.C.) preferably with experience of the automotive industry who are prepared to work in Coventry for about 15 months before moving to Scotland. Salary and conditions are good. Pension and life assurance schemes in operation. Applications should be addressed to:

THE STAFF OFFICE,  
c/o HUMBER LIMITED,  
RYTON ON DUNSMORE,  
near Coventry.

**Work Study Engineer** required to take over existing department in small but progressive firm of precision engineers and tool makers situated in Bath. Experience of work measurement as applied to incentive schemes is desirable. A sound engineering background is essential. Please apply giving full details of qualifications, experience and salaries received to: Attewell Engineering Co. Ltd., Devonshire Buildings, Bath, Somerset.

**Production Planning Engineer** required by Company manufacturing aluminium alloy extrusions, tubes and stampings. Applicants must be experienced in the manufacturing process of this particular industry. Staff Superannuation Scheme. Three weeks' annual holiday. Salary will be commensurate with experience and qualifications. Write stating full particulars of experience, age, etc., to: The Personnel Manager, Southern Forge Ltd., Langley, Bucks.

H. B. MAYNARD & CO. INC.,  
Pittsburgh, Pennsylvania, U.S.A.

International Division

offers opportunities in

### MANAGEMENT CONSULTING

to a limited number of qualified engineers to fill permanent positions in the United Kingdom and on the Continent.

If you are a trained engineer with a minimum of eight years of management and/or production experience and are between 30 and 40 years of age, you are invited to write giving personal details and experience to:

H. B. MAYNARD & CO. LTD.,  
PANTON HOUSE, 25 HAYMARKET,  
LONDON, S.W.1.

**Design Engineers** (two) required to initiate, carry out, supervise development projects in production mechanisation. Ingenuity and inventiveness in connection with hopper feeds, automatic assembly, transfer machinery and packaging equipment are required; machine design experience is essential. Projects involve assessing engineering requirement and feasibility, estimating costs and savings, design and drawing, specifying equipment, placing and supervising machine construction contracts. There are no age limits, but it is unlikely that designers under 30 years will have adequate experience. Minimum salary £1,000 p.a. Rhoden Partners Ltd., Design and Development Engineers, 19 Fitzroy Square, London, W.1. EUSton 9696.

### GENERAL WORKS MANAGER

An expanding, medium-sized light engineering company in the Midlands requires a Chief Production Executive.

Desirable qualifications are: 36-45 years of age; thorough production engineering training; a record of sound accomplishment as a Works/Production Manager; the ability to lead and blend all technical and administrative production services; able to play a leading part in the gradual introduction of modern management techniques; experienced in the problems of producing a variety of pressed and welded assemblies; at present living in the West Midlands.

Commencing salary is in the region of £1,750 p.a.

Prospects are good.

Written applications, which will be treated in strict confidence, to:

W. E. HARRISON & CO.,  
MANAGEMENT CONSULTANTS,  
TUDOR HOUSE,  
BRIDGE STREET, WALSALL.



## SENIOR PRODUCTION ENGINEER

A Production Engineer is required to undertake for approximately one year a special assignment in Ireland, and with a view to continuing as Senior Production Engineer on the same project at a Works in Surrey. During the term in Ireland the successful candidate will be responsible for output directly to the Managing Director.

Applicants must have had experience in sheet-metal press work up to 500 tons, welding and assembly, and should be capable of planning, organising, and supervising such work. Knowledge of spray paint processes would be an advantage.

This is an ideal opportunity for a qualified Production Engineer, in the age group 30 - 35, to apply and expand his experience in the field of production engineering management.

Minimum commencing salary: £1,250, plus generous allowance whilst in Ireland.

Applicants are asked to submit complete details of education, qualifications, and experience with their applications addressed to: BOX NO. 2042, I.PROD.E., 10 CHESTERFIELD STREET, MAYFAIR, LONDON, W.1.

**Engineer** for developing improved manufacturing techniques and methods. Applicants must have drawing office and workshop experience. Age 26 - 33 with good educational background and O.N.C. or preferably H.N.C. diploma. Apply in writing, giving details of experience, to: The Secretary, Edward Elwell Ltd., Edge Tool Manufacturers, Wednesbury, Staffs.

**Senior Jig and Tool Draughtsman**, Experienced man, preferably with H.N.C. or similar qualification, is required for a wide variety of jig and tool design work. The position offers excellent prospects of advancement for a younger man. Applications in confidence to: Personnel Officer, Crompton Parkinson (Chelmsford) Ltd., Chelmsford, Essex.



## INDUSTRIAL ADMINISTRATION LIMITED

invite applications from exceptional men seeking scope to use their full potential abilities and to achieve job satisfaction as

### INDUSTRIAL ENGINEERS

Applicants, aged 30 - 40, of liberal education with a university degree or equivalent appropriate qualification, should have had practical training and experience in industry and have carried responsibility as senior executives.

Essential qualities are a clear and agile mind able to apply an analytical approach to new situations, an appreciation of the problems of industrial management, the ability to discuss them at top level and to contribute to their solution.

The work is primarily concerned with general management, works organisation and production engineering.

Applications, which will be treated in confidence, should give brief personal details and summarise qualifications and experience.

Appointments Secretary, Ref. 525/25,  
INDUSTRIAL ADMINISTRATION LTD.  
Management Consultants,  
18 Thurloe Place, London, S.W.7.

## EDUCATIONAL APPOINTMENTS

### West Bromwich Technical College.

Applications are invited for the following full-time appointments in the Engineering Department: **Lecturer** to teach subjects to Higher National Certificate level in Mechanical and Civil Engineering. **Lecturer** to teach Theory of Machine Tools, Principles of Engineering, Production, etc. For both appointments a degree or equivalent with appropriate industrial experience is required. **Salary scale** will be in accordance with the Burnham Further Education Scale of Salaries for Lecturers in Further Education Establishments, i.e., £1,370 per annum rising by annual increments to £1,550 per annum. Application forms may be obtained from: J. H. Turner, B.Sc., Director of Education, Education Offices, Highfields, West Bromwich, and should be returned within 14 days of the appearance of this advertisement.

### Work Study School, Cranfield.

Applications are invited for appointment to the lecturing staff of the Work Study School. Candidates should preferably be graduates with a minimum of three years' industrial or commercial experience in Work Study. Special experience in office organisation would be an additional recommendation. Opportunity exists for participating in research and working in collaboration with the Ergonomics and Operational Research groups of The College of Aeronautics. **Salary in scale:** £1,050 × £50 to £1,400 × £75 to £1,850 per annum, with superannuation under F.S.S.U. and family allowance, commencing salary depending upon age, qualifications and experience. Consideration given to housing requirements. Applications, giving full particulars and quoting the names of three referees, to: The Recorder, The College of Aeronautics, Cranfield, Bletchley, Bucks. Further particulars available.

### Middlesex County Council Education Committee

#### TWICKENHAM TECHNICAL COLLEGE

Egerton Road, Twickenham, Middlesex

Principal: J. P. Wolfenden, M.Sc., M.I.E.E.

#### DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING

Required, 1st September, 1961, ASSISTANT GRADE 'B' to teach PRODUCTION ENGINEERING subjects for City and Guilds Courses in Machine Shop Engineering (Intermediate and Final Standard).

Candidates should have had good industrial (particularly Workshop) and preferably some teaching experience. A degree or equivalent qualification is desirable.

Salary within the range for Assistant Lecturers Grade 'B': £738 to £1,201 per annum, plus Graduate and Training Allowances. Starting salary is determined by the number of years industrial and/or teaching experience after the age of 21.

Application forms and further particulars may be obtained from the Principal, to whom applications should be returned within 14 days.

C. E. Gurr, M.Sc., Ph.D.,  
Chief Education Officer.

### Kingston Technical College, Fasset Road, Kingston-upon-Thames.

Required 1st September, 1961, **Senior Lecturer** in Management Studies in Department of Management, Work Study and Production; should be graduate or possess equivalent professional qualification and be corporate member of British Institute of Management or appropriate professional Institution. Teaching experience and experience in industry or commerce in an executive position essential. Research experience desirable; should be able to offer range of subjects in final years of the Diploma Course in Management Studies, and will be directly concerned with organisation and development of Diploma Course and with a range of Post Graduate Lectures in Management subjects. **Salary:** Burnham Technical Scale, Senior Lecturer: £1,550 × £50—£1,750, plus London Allowance. Application form and further particulars from Principal, to be returned as soon as possible.

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